

**WHAT IS CLAIMED IS:**

1. An LED signal light device, comprising:

a central processing unit consisting of a microprocessor, a memory and an interface circuit for controlling the operation of the whole device and outputting  
5 a signal and receiving a command via an output and input interface;

a control panel being a printed circuit board and recording a circuit and relevant parameters therein in advance;

an LED signal light consisting of plural LEDs which actively show a light display in a closed circuit and show various colors accompanying with various  
10 arrangements into abstract symbols for indicating various traffic situations;

an output and input interface provided for said central processing unit to output a signal or receive an external command signal through said interface;  
and

an adapter provided for converting an AC to a DC and stabilizing the  
15 current provided to the whole device.

2. The LED signal light device according to claim 1, further comprising a battery for alternatively providing power to the whole device with its storage power when the power source is ineffective.

3. The LED signal light device according to claim 1, wherein said device is  
20 connected to an AC power supply.

4. The LED signal light device according to claim 1, wherein said LED is a monochromatic LED selected from a group consisting of a red LED, a green LED and a yellow LED.

5. The LED signal light device according to claim 1, wherein said LES is a

color changing LED showing a light of a particular color under different particular voltages.

6. The LED signal light device according to claim 5, wherein said particular color is red, yellow or green.

5 7. The LED signal light device according to claim 1, wherein said LED signal light shows a light display time via the LED lighting areas or numerals.

8. The LED signal light device according to claim 1, wherein said LED signal light is displayed with a twinkled light.